

We claim:

1. A computerized system for software development comprising:  
a source code editor operable to edit a source code module;  
5 a graphical design surface operable to display a graphical object representing the  
source code module; and  
wherein upon a change in the source code module, the change in the source code  
is immediately communicated to the graphical design surface and the graphical design  
surface is updated to reflect the change in the source code module.
- 10 2. The computerized system of claim 1, wherein upon a change in the graphical  
design surface, the change in the graphical design surface is immediately communicated  
to the source code editor and the source code editor is updated to reflect the change in the  
graphical design surface.
- 15 3. The computerized system of claim 1, further comprising:  
a change manager operative to manage versioning of the source code module; and  
an application datastore operative to store a previous version of the source code  
module.
- 20 4. The computerized system of claim 3, wherein a difference between the source  
code module and the previous version of the source code module is highlighted by source  
code editor.
- 25 5. The computerized system of claim 4, wherein the difference is highlighted using a  
squiggly line under the difference.
6. The computerized system of claim 4, wherein the difference is highlighted using a  
tooltip bar to indicate a date and an author of the difference.

Sub  
part

7. The computerized system of claim 3, wherein a difference between the source code module and the previous version of the source code module is highlighted by the design surface.
8. The computerized system of claim 1, further comprising at least one compiler operative to compile the source code module into an object code format.
9. The computerized system of claim 1, wherein the design surface is operative to bind the source code module to the at least one compiler.
10. The computerized system of claim 1, wherein the design surface displays a graphical object representing a database object and wherein the design surface is operative to bind a particular database system to the database object.
11. The computerized system of claim 10, wherein the database object further includes a database column, wherein the source code module includes a variable, and wherein design surface is operative to bind the database column to the variable.
12. The computerized system of claim 11, wherein the binding is established through a drag-and-drop interface.
13. The computerized system of claim 1, further comprising a package manager, and wherein the design surface is operative to provide an interface to highlight a set of software modules that are grouped together as a package.
14. The computerized system of claim 13, wherein the package manager is further operative to receive a list of system identifiers, each of the system identifiers identifying a particular computer system, and wherein the package manager is further operative to provide an interface to determine the particular system to deploy the package to.
15. A computerized method for developing a software project, the method comprising:

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creating a graphical object on a design surface, the graphical object representing a software module;

binding the graphical object to an application type; and  
generating source code particular to the application type.

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16. The computerized method of claim 15, wherein the application type is a source code compiler.

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17. The computerized method of claim 15, wherein the application type is a database application.

18. The computerized method of claim 15, wherein the application type is a source code interpreter.

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19. The computerized method of claim 15, further comprising:  
modifying the source code; and  
refreshing the design surface to update the graphical object to reflect the modification to the source code.

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20. The computerized method of claim 15, further comprising:  
modifying the graphical object on the design surface; and  
refreshing the source code to reflect the modification to the graphical object.

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21. The computerized method of claim 15, further comprising reading a template having pre-configured software modules from a datastore.

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22. A computer-readable medium having computer executable instructions for performing a method for developing a software project, the method comprising:  
creating a graphical object on a design surface, the graphical object representing a software module;  
binding the graphical object to an application type; and

Fig. 2

generating source code particular to the application type.

23. The computer-readable medium of claim 22, wherein the application type is a source code compiler.

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24. The computer-readable medium of claim 22, wherein the application type is a database application.

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25. The computer-readable medium of claim 22, wherein the application type is a source code interpreter.

26. The computer-readable medium of claim 22, wherein the method further comprises:

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modifying the source code; and  
refreshing the design surface to update the graphical object to reflect the modification to the source code.

27. The computer-readable medium of claim 22, wherein the method further comprises:

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modifying the graphical object on the design surface; and  
refreshing the source code to reflect the modification to the graphical object.

28. The computer-readable medium of claim 22, wherein the method further comprises reading a template having pre-configured software modules from a datastore.